

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D206-642 REV. Q AND INSTRUCTIONS FOR CONTINUED  
AIRWORTHINESS ICA-D206-642 REV. 6 OR LATER APPROVED REVISION

REF. FAA STC: SA00475SE  
REF. TCCA STC: SH98-4  
REF. EASA STC: EASA.IM.R.S.01320

## PURPOSE:

TO ADD D206-642-521/-522 SKIDTUBE INSTALLATIONS WITH WEARPADS ONLY AS  
PREFERRED BY SOME CUSTOMERS.

## PARTS LIST:

PARTS LIST OF SECTION 4.7 OF IIN-D206-642 REV. Q AND SECTION 32.17 OF ICA-D206-642  
REV. 6 IS AMENDED AS SHOWN BELOW TO REFLECT THE ADDITION OF D206-642-521/-522/-  
561 CONFIGURATIONS.

ITEM	Qty -521	Qty -522	Qty -561	Part Number	Description
	X			D206-642-521	FLOAT SKIDTUBE INSTALLATION, LH
		X		D206-642-522	FLOAT SKIDTUBE INSTALLATION, RH
	1	1	X	D206-642-641 <del>561-14</del>	FLOAT SKIDTUBE
	1	1		D206-648-013	GROUND HANDLING KIT
1			1	D3274-045	SKIDTUBE ASSEMBLY
3			1	D2646	* AFT CAP (1)
4			2	AN3C4A	* BOLT (1)
5A			2	NAS1149C0332R	* WASHER (1)
5B			2	D3672-1	* WASHER (1)
20A			9	D3537-9	* WEARPAD (1)
21A			1	D3537-11	* WEARPAD (1)
26A			40	AN3C4A	* BOLT (1)
26B			40	NAS1149C0332R	* WASHER (1)
26C			40	ALS7-1032-130	* INSERT (1)
34			1	MS27039C4-06	* SCREW (1)
35			1	NAS1149C0463	* WASHER (1)
6	1			D2932-1	SADDLE, FWD OUT, LH
6		1		D2932-2	SADDLE, FWD OUT, RH
7	1			D2933-1	SADDLE, FWD IN, LH
7		1		D2933-2	SADDLE, FWD IN, RH
8	1			D2938-1	SADDLE, AFT OUT, LH
8		1		D2938-2	SADDLE, AFT OUT, RH
9	1			D2939-1	SADDLE, AFT IN, LH
9		1		D2939-2	SADDLE, AFT IN, RH

A	NEW ISSUE	AK	16.05.30
REV.	DESCRIPTION	BY	DATE
DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> EUGENE, OR	
DRAWN	AK		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9749	SHEET 1 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	ADD -521/-522/-561 SKIDTUBES NTS	
DATE	16.05.30	<small>COPYRIGHT © 2016 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

ITEM	Qty -521	Qty -522	Qty -561	Part Number	Description
	X			D206-642-521	FLOAT SKIDTUBE INSTALLATION, LH
		X		D206-642-522	FLOAT SKIDTUBE INSTALLATION, RH
			X	D206-642-561	FLOAT SKIDTUBE
10	8	8		AN3C41A	BOLT
11	16	16		D2652	BUSHING
12A	8	8		MS21043-3	NUT
12B	16	16		D3672-7	WASHER
13	4	4		AN5C11A (or AN5C12A)	* BOLT (2)
14	4	4		AN5C11A (or AN5C13A)	* BOLT (2)
15A	8	8		NAS1149C0532R	WASHER
15B	8	8		D3672-7	WASHER
16	12	12		AN4C6A	BOLT
17A	24	24		D3672-3	WASHER
17B	24	24		NAS1149C0432R	WASHER
18	12	12		MS21043-4	NUT
37	10	10		D2712	SET SCREW
38	2	2		D2934	SADDLE SPACER
39	2	2		D2935	SADDLE SPACER
50	9	9		AN3C36A	BOLT
51	3	3		AN3C35A	BOLT
52	24	24		NAS1149C0332R	WASHER
53	24	24		D3672-1	WASHER
54	12	12		MS21043-3	NUT
55	2	2		D3396-3	SPACER
56A	1	1		AN5C35A	BOLT
56B	1	1		AN5C15A	BOLT
60	2	2		AN5C32A	BOLT
61	2	2		AN5C34A	BOLT
62	4	4		MS21043-5	NUT

NOTES: (1) DENOTES THAT PART IS INCLUDED WITH D3274-045 ASSEMBLY ABOVE

(2) CHOICE OF BOLT WILL DEPEND ON CROSSTUBE (SEE INSTALLATION PROCEDURE)

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DRAWN	AK		
CHECKED	<del>AK</del>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9749	SHEET 2 OF 3
APPROVED	<del>AK</del>	TITLE	SCALE
DE APPR.	<del>AK</del>	ADD -521/-522/-561 SKIDTUBES NTS	
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**INSTALLATION:**

INSTALL D206-642-521/-522 SKIDTUBE INSTALLATIONS PER SECTION 3.3 OF IIN-D206-642 REV. Q.

**WEIGHT AND BALANCE:**

THE WEIGHT AND BALANCE TABLES IN SECTION 5.2.1/5.2.2 OF IIN-D206-642 REV. Q AND SECTION 3.10.2 OF ICA-D206-642 REV. 6 ARE AMENDED TO ADD D206-642-521/-522 CONFIGURATIONS AS SHOWN BELOW:

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
<b>D206-642-521</b> 206L/L1/L3/L4 HIGH FLOAT, LH	36.4 lb 16.5 kg	104.1 in 2.64 m	3789 in lb 43.6 m kg	-43.0 in -1.09 m	-1565 in lb -18.0 m kg
<b>D206-642-522</b> 206L/L1/L3/L4 HIGH FLOAT, RH	36.4 lb 16.5 kg	104.1 in 2.64 m	3789 in lb 43.6 m kg	43.0 in 1.09 m	1565 in lb 18.0 m kg
<b>D206-642-521</b> 407 HIGH FLOAT, LH	36.4 lb 16.5 kg	104.1 in 2.64 m	3789 in lb 43.6 m kg	-47.0 in -1.19 m	-1711 in lb -19.6 m kg
<b>D206-642-522</b> 407 HIGH FLOAT, RH	36.4 lb 16.5 kg	104.1 in 2.64 m	3789 in lb 43.6 m kg	47.0 in 1.19 m	1711 in lb 19.6 m kg

**MAINTENANCE:**

THE NEW D206-642-521/-522/-561 FLOAT SKIDTUBES SHOULD BE MAINTAINED PER ICA-D206-642 REV. 6, OR LATER APPROVED REVISION.

DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> EUGENE, OR	
DRAWN	AK		
CHECKED	<del>AK</del>	DRAWING NO.	REV. A
MFG. APPR.	N/A	<b>DSI 9749</b>	SHEET 3 OF 3
APPROVED	<del>AK</del>	TITLE	SCALE
DE APPR.	<del>AK</del>	<b>ADD -521/-522/-561 SKIDTUBES</b>	NTS
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